## CSCE 3304 - Digital Design 2 Project 1 A small standard cell library

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- 1 Introduction
- 2 Inverter
- 3 Tri-state Inverter
- 4 3 input NAND
- 5 3 input NOR
- 6 Complex function
- 6.1 Schematic

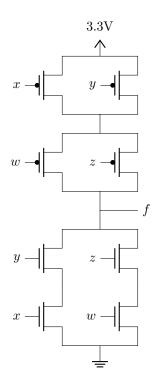


Figure 1:

- 6.2 Stick diagram
- 6.3 Layout
- 6.4 Transition time
- 6.5 Data collection
- 6.6 Minimum cell height

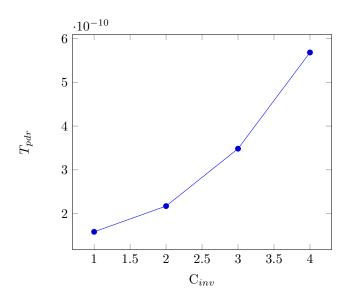


Figure 2:  $T_{pdr}$  to  $C_{inv}$  under 100ns transition time